

## **ST-4 STIHL Backpack Blower Rack Instructions** (Patent No. 7849557)

Thank you for purchasing a TrimmerTrap product. The ST-4 blower rack is designed to hold the new style STIHL four stroke blowers with the black leaf grate on the bottom- BR 500, BR 550, BR 600 and BR 700. The STIHL BR 300 and 400 series blowers will require a different rack. The ST-4 rack consists of two basic parts: a vertical upright post with a horizontal base plate welded to it and the "sliding lip" with a threaded female barrel welded to it. Hold the upright, so that the two pyramidal tabs are pointing up and so that the side of the upright that the horizontal base plate is welded to is facing you. Slide the "sliding lip" over the top of the rack with the "lip" facing down and the threaded barrel to the right. The backside of the blower (recoil starter side) will face away from the rack when the rack is installed with the latch mechanism to the right. This is the most common method for open trailers and trucks and the only method for enclosed trucks and trailers. Fasten the vertical upright of the rack to the upper and lower rail of the trailer using two bolts and self locking nuts. **Due to the many different construction techniques used on trailers, the hardware required to attach the rack is NOT included and must be acquired by the user.**

For installing the ST-4 in an enclosed truck or trailer, shims/spacers will have to be used to space the upright approximately 1/2 inch from the wall in order for the "sliding lip" to function. Be certain to center the holes when drilling the vertical post. Install the flat caps onto the "sliding lip". NOTE: To ease installation of the protective covers, place them in a sink and run hot water over them for a couple minutes. Install the plastic end-cap into the top end of the square tube. Tightly hold the tapered pin of the latch with pliers or vise and securely tighten the ball knob to the pin. Next screw the threaded latch assembly into the threaded barrel on the "sliding lip" assembly and tighten. NOTE: A two part thread locking compound has been pre-applied to the threads of the latch and will be activated when screwed into the threaded barrel. Position the "sliding lip" on the post so that the latching pin engages the top hole in the upright. After positioning the "sliding lip" on the post, install the self-tapping screw into any one of the four sides of the post 1/2 inch from the top of the post. The screw will prevent the "sliding lip" from sliding off of the post. The ST-4 is now ready for use.

The new style four stroke blowers have a black leaf grate on the bottom of the frame. Two of the rectangular slots making up the leaf grate will be utilized to help secure the blower to the rack by matching up and sliding onto the racks pyramidal tabs. Inspect the bottom of the frame and noting where the backpack straps attach, you can identify two of the said slots that make up the leaf grate. Pull and hold the backpack straps tight so that the plastic buckles that secure the straps to the frame are flat against the frame. Tightly install a nylon tie to each strap on the opposite side of the frame as the buckle and cut off excess tie. The tie will hold the strap in place and prevent it from sliding back through the slot interfering with the stud on the rack. The blower can now be installed onto the rack. Hold the blower by the top handle with the recoil starter facing towards you and tilt the top of the blower back towards you. Set the bottom of the blower onto the rack so that the racks two pyramidal tabs match up and slide into the rectangular slots on the base of your blower. Next tilt the blower towards the rack so that the openings under the blowers handle slides over the "lip" on the "sliding lip". You can now pull the ball knob and lower the "sliding lip" until the latch engages the bottom hole of the upright. The "lip" should now be extending down over the blower frame securely latching it in place. The blower tube must be removed or secured before transport. NOTE: TrimmerTrap's RC-4 Rubber Clamp works well for securing blower tubes. Attach the RC-4 rubber clamp to the trailer rail next to the ST-4. **IMPORTANT: Be certain the latch is fully engaged into the upright!** The top hole in the rack serves two purposes: to position and hold the "sliding lip" in the up position when the blower is removed and to accept a long shackle padlock when the "sliding lip" is in the lower position to help prevent theft.

**NOTE:** IT IS THE PURCHASERS SOLE RESPONSIBILITY TO ASSURE THAT THE RACK IS INSTALLED SAFELY AND SECURELY TO A COMPONENT THAT WILL ADEQUATELY SUPPORT THE EQUIPMENT.

<b><u>ST-4 Hardware Kit</u></b>	<b><u>Quantity</u></b>	<b><u>ST-2 Parts</u></b>	<b><u>Description</u></b>
1 & 1/2" end cap	one	ST LA-1	Latch Assembly (includes NK-1)
latch assembly	one	ST NK-1	Ball Knob (late style 3/8" thread)
nylon ties	two	ST Rubber Kit	Includes all tubes & end cap
1 & 1/4" long flat rubber cap	one	ST Slide	Includes LA-1, 2 flat rubber caps & retaining screw)
flat rubber cap (60 degree bend)	one		
self tapping screw	one		

**WARRANTY:** 90 days against defects in material and workmanship, TrimmerTrap, Inc. reserves the right to repair or replace at its sole discretion the alleged defective TrimmerTrap product. Determination of validity of alleged defect claim will be made upon goods returned to us freight prepaid to our location in Louisville, KY. Call 1-800-279-8727 for a return goods authorization.